Java Regular Expressions - Interview Cheat Sheet

What is Regex?

A regular expression is a sequence of characters to match patterns in strings.

Java Classes

- Pattern: Compiles regex

Matcher: Performs match operationsString.matches(): Shortcut method

Core Metacharacters

.: Any character

^: Start of string

\$: End of string

*: 0 or more

+: 1 or more

?:0 or 1

[] : Char class

{}: Repetition

\d : Digit

\w : Word char \s : Whitespace () : Grouping

|: OR

Common Patterns

Email: $[\w.-]+@[\w.-]+\.\w{2,}$

Phone: ^\d{10}\$

Username: ^[a-zA-Z0-9_]{5,15}\$

Password: $^{?=.*[A-Z])(?=.*[a-z])(?=.*d)(?=.*[@#$%^&+=]).{8,}$

matches() vs find()

matches(): Matches whole string find(): Finds part of the string

Tips

- Java strings need double backslash: "\\d"

- Use Pattern.CASE_INSENSITIVE for ignoring case

- Use ? for lazy match: ".*?"